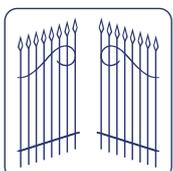




NYOTA 115

Electro-mechanical sliding gate operator



FADINI
the gate opener
Made in Italy





Electro-mechanical sliding gate operator

NYOTA 115



NYOTA 115, an electro-mechanical operator, has been designed so that it can suit any structure of sliding gates. Its design, compact and stylish, allows to enclose in its inside all accident prevention devices in conformity with EN 12445, EN 12453 regulations, i.e.: steady lock braking action in stop position - manual self-controlled emergency release - switch under the housing to cut off operative logic circuit - line switch incorporated in the control box - built in end stop limit switches operated by normally closed mechanical contact.

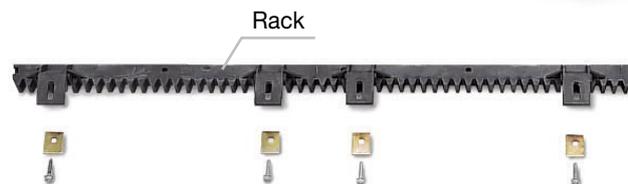
Besides, a coded lock is supplied on customers' request to have access to emergency release. Thanks to its structure out of a single piece of die cast aluminium, to its parts of special steel and bronze, and to bearings in oil bath, it can stand changes in temperature between -20°C and $+80^{\circ}\text{C}$.

The electric motor is made of special materials and designed on the basis of an advanced technology allowing the construction of a braking device built into the motor itself, so that the drive shaft is coupled to the clutch made of lamellate disks that are adjustable from outside. This device allows us to obtain the pair limit control as prescribed by UNI 8612 regulations. Clutch unit and brake device are patented and constructed by Meccanica Fadini that has achieved, in this way, a first class, long lasting operator.

The patented, manual release complete with safety device is next to the drive shaft and in case of power failure, makes the gear run idle. All operations can be remote controlled through a coded radio and an electronic programmer inserted into a container under the housing. Nyota 115 comes in two models of different horse power: 0,5 HP and 1,0 HP single-phase. It is equipped with various accessories such as an anchor bracket to fix the motor to the ground, 2 end stop plates, a box wrench to adjust clutch and manual release and to unlock the housing.

Nyota 115 is the result of the experience gained by Meccanica Fadini in the design and construction of more and more advanced automatic systems.

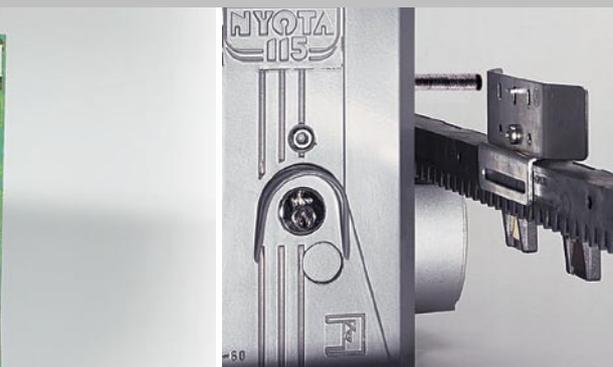
A firm whose prestige is a synonym for leading construction perfection in the field of remote controlled gate openers.



Installation of the operator



Details of the operator



Details of the operator



Accessories



ELPRO 10 PLUS CEI
electronic programmer



PRIT 19
keyswitch



Anchor bracket

Housing

Adjustment key

Limit switch striking plates



PULIN 3
button switch



MIRI 4
flashing lamp



BIRIO A8
rod aerial



POLO 44
photocells



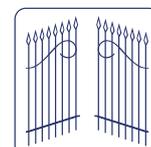
ASTRO 43/1 R
radio receiver



ASTRO 43/2 TR
transmitter



Detail: lock with key



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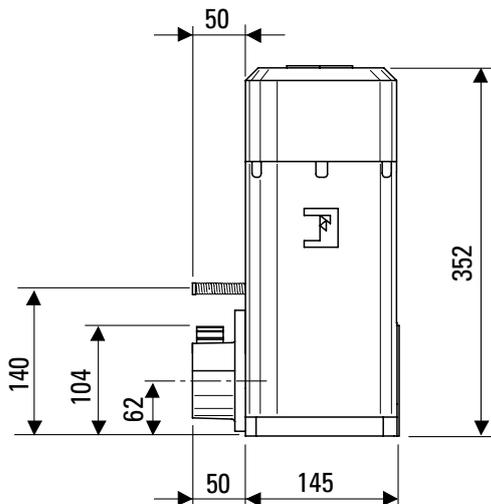
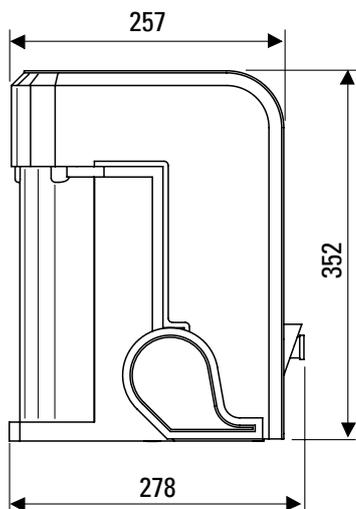
NYOTA 115 Gate operator



| Electric Motor | | | | |
|--------------------------------------|----------------------------------------------|-------------------|----------------|-------------------|
| | Single-phase | Three-phase | Single-phase | Three-phase |
| Power output | 0.37 KW (0.5 HP) | 0.37 KW (0.5 HP) | 0.73 KW (1 HP) | 0.73 KW (1 HP) |
| Supply voltage / Frequency | 230 V - 50 Hz | 230/400 V - 50 Hz | 230 V - 50 Hz | 230/400 V - 50 Hz |
| Absorbed power | 600 W | 575 W | 1'130 W | 1'030 W |
| Absorbed current | 3.2 A | 2.1/1.2 A | 5.7 A | 3.7/2.2 A |
| Motor rotation speed | 1'380 rpm | 1'380 rpm | 1'380 rpm | 1'380 rpm |
| Capacitor | 30 µF | | 40 µF | |
| Intermittent service | S5 | S5 | S5 | S5 |
| Operator | | | | |
| | Single-phase | Three-phase | Single-phase | Three-phase |
| Max torque | 40 Nm | 40 Nm | 80 Nm | 80 Nm |
| Gear ratio | 1/32 | | | |
| Travelling speed | 9.6 m/min. | | | |
| Working temperature | -20°C +80°C | | | |
| Oil type | Agip Rotra THT - W 80 - Kg 0.60 | | | |
| Max. gate weight | 500 Kg | 600 Kg | 800 Kg | 1'200 Kg |
| Weight of Nyota 115 | 18.5 Kg | 18 Kg | 20 Kg | 19.5 Kg |
| Protection standard | IP 557 | | | |
| Duty cycle | 25 sec. Open - 30 sec. Dwell - 25 sec. Close | | | |
| Time of one complete cycle | 80 sec. | | | |
| Complete cycles Open - Dwell - Close | No. 45/hour | | | |
| Cycles a year, 8 hours a day | No. 131'000 | | | |

WARNINGS

- Dispose properly of packaging materials (cardboard, polystyrene, nylon) through specialized companies.
- All the electrical equipment must be properly earthed.



We recommend that installation complies with applicable regulations, the instructions enclosed and EN 12453 and EN 12445 standards in observance of essential EC requisites

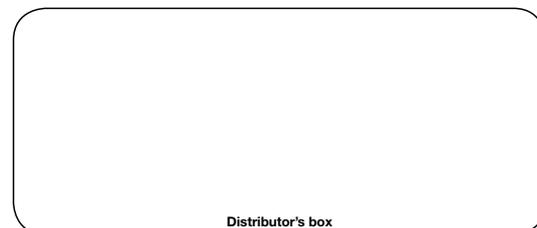


Directive 2003/108/EC
Disposal of electric and electronic material
**DO NOT DISPOSE OF AS NORMAL WASTE
HARMFUL TO THE ENVIRONMENT**



AUTOMATIC GATE MANUFACTURERS

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Distributor's box

The manufacturers reserve the right to change the products without any previous notice